CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.13/KRIDL/CC Blocks/2014-15 10.07.2014

TEST REPORT ON CEMENT CONCRETE BLOCKS

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. B.T. Ravikumar,** Contractor, Bangalore.

Name of work : Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/214/2013-14 Dated: 27.01.2014

Size of Block : 400 mm x 200 mm x 200 mm

Cross Sectional Area : 80000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 03

Sl.No.	Date of Sampling	Date of testing	Failure load (KN)	Compressive strength	Minimum Compressive Strength of Individual Units
			kN	N/mm^2	N/mm^2
1	08.07.2014	10.07.2014	258.3	3.23	3.2
2	08.07.2014	10.07.2014	261.2	3.27	
3	08.07.2014	10.07.2014	263.1	3.29	

Note:

1.The report shall not be reproduced, except in full, without the written approval of the laboratory.

2.The results indicated above are based on the tests carried out on the samples received in the laboratory.

3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Reference : EE/DD/WO/214/2013-14 Dated: 27.01.2014

Size of Block : 400 mm x 150 mm x 200 mm

Cross Sectional Area : 60000 mm^2

Technical Reference : IS: 2185 (Part 1) - 2005

No. of Blocks Tested : 03

Sl.No.	Date of Sampling	Date of testing	Failure load (KN)	Compressive strength	Minimum Compressive Strength of Individual Units
			kN	N/mm^2	N/mm^2
1	08.07.2014	10.07.2014	198.3	3.31	
2	08.07.2014	10.07.2014	196.5	3.28	3.2
3	08.07.2014	10.07.2014	197.3	3.29	

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Job No.: CTCE/BBMP/W.No.13/KRIDL/CUBE/2014-15 22.08.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.

Agency : **Mr. B.T. Ravikumar,** Contractor, Bangalore.

Name of the work : Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.

Reference : EE/DD/WO/214/2013-14 Dated: 27.01.2014

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 28th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.07.2014	22.08.2014	8.132	357.3	15.88
2	25.07.2014	22.08.2014	8.265	366.3	16.28
3	25.07.2014	22.08.2014	8.334	379.6	16.87

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Job No.: CTCE/BBMP/W.No.13/KRIDL /Pre Cast Slab/2014-15

29.07.2014

TEST REPORT ON CONCRETE CORE (PRE CAST SLAB)

Name of Client	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
Name of Agency	:	**Mr. B.T. Ravikumar,** Contractor, Bangalore.
Name of work	:	Improvements to Roads & drains in Vishala public School road Eastern side & other road, in Ward No.13, in SSD, BBMP, Bangalore.
Reference	:	EE/DD/WO/214/2013-14 Dated: 27.01.2014
Techinical Reference	:	IS:516-1959 (Reaffirmed 2008), SP-24:1983.
Sample ID	:	Pre cast slab
Date of Testing	:	29.07.2014

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	82.00	0.404	2509.21	1.64	0.960	32.00	16.30	17.60	16.90	21.12
2	50.00	83.00	0.410	2515.80	1.66	0.965	32.50	16.55	17.88	17.25	21.56
3	50.00	84.00	0.419	2540.42	1.68	0.970	33.50	17.06	18.43	17.87	22.34

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